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PRODUCT DATASHEET

Anti-KCC2 Antibody FL650 Conjugate

Product Details

Available Variants	200 µL (SKU:75-050-FL650)
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG1
Clone	N1/66
Gene Name	Slc12a5 Kcc2 Kiaa1176
Host Species	Mouse
Concentration	Lot dependent: provided at 0.3-0.5 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	PBS with 0.09% azide
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Applications	ICC, IHC
Species Reactivity	Chicken, Human, Mouse, Rat
Immunogen	Fusion protein amino acids 932-1043 (intracellular carboxyl terminus) of rat KCC2b (accession number Q63633) produced recombinantly in E. Coli
Specificity	Does not react with KCC1, KCC3 or KCC4
Molecular Weight	140 kDa
Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to

	removing the cap.
Antibody Registry ID	AB_2939223
UniProt ID	Q63633 UniProt Summary: Mediates electroneutral potassium-chloride cotransport in mature neurons and is required for neuronal Cl(-) homeostasis. As major extruder of intracellular chloride, it establishes the low neuronal Cl(-) levels required for chloride influx after binding of GABA-A and glycine to their receptors, with subsequent hyperpolarization and neuronal inhibition. Involved in the regulation of dendritic spine formation and maturation.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	12 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	171373

Product Images



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